

BIOS

Alberta Society of Professional Biologists • Winter 2007

Volume 22 • Number 1

A Message From Your President

First of all, it has been quite some time since our last BIOS edition and I would like to thank Gavin Moore for all of his editing efforts. However, Gavin has found it harder to find time to keep laying out, compiling the content and laying out the newsletter and has resigned from these duties. The efforts of this revised newsletter have come primarily from board members and we hope to start soliciting the membership for content articles and keeping a consistent series of articles including "News From the Board" and "Member Profile".

From an administrative standpoint, I'd like to thank the membership for the opportunity to serve as the president of the ASPB and to welcome the new board members, Gerry Hackel and Henri De Pennart, the executive: Carol Engstrom, Gary Ash, and Robert Dallas and directors: Stuart Ross, Troy Whidden, Ricardo Moreno, Corey De La Mare and Maureen Hill. I also thank the previous president Robert Dallas, previous board members Garry Hornbeck and Steve Morck, for their time, effort and support of the ASPB.

I thank the previous committee directors Doug Collister and Maire Luoma and the standing committee chairs: Carl Warner, Brian Bietz, Don McCabe, Robert Dallas, Corey De La Mare, Carol Engstrom, Dave Ealey and Robin Leech, for their continuing support of the ASPB. Thank you again.

Below is a summary of on-going activities and issues that are keeping the ASPB board busy:

Alberta Environment, Alberta Sustainable Resource Development, and Alberta Energy and Utilities Board are reviewing the remediation and reclamation regulatory framework. They are reviewing the concept of professional sign-off prepared by the six Professional Regulatory Organizations (PRO-6).

A joint remediation and reclamation practice standard has been developed by the PRO-6, which includes: the Alberta Institute of Agrologists; Alberta Society of Professional Biologists; Association of the Chemical Profession of Alberta; Association of Professional Engineers, Geologists and Geophysicists of Alberta; College of Alberta Professional Foresters; and College of Alberta Professional Forest Technologists. This joint practice standard defines the roles and responsibilities shared in reclamation and remediation. This is a new practice standard, for joint reclamation & remediation work in Alberta. This new practice standard will serve as a model for other joint professional sign-off practices. It is an excellent example of the ASPB representation and participation with the other Alberta Pros' for practice standards. Further details are provided in a second article in this newsletter.

In April 2006, Alberta and British Columbia signed the Alberta-British Columbia Trade Investment

and Labour Mobility Agreement (TILMA). TILMA will come into affect by April 2009. Though the ramifications of TILMA are not yet fully understood or appreciated, the following are the main issues:

- establish a comprehensive agreement on trade, investment and labour mobility
- eliminate barriers that restrict or impair trade, investment, or labour mobility
- enhance competitiveness, economic growth, and stability in Alberta and British Columbia
- increase opportunities and choice for workers, investors, consumers and business
- reduce costs for consumers, businesses and governments

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BIOS is written for the enjoyment of the members of the Alberta Society of Professional Biologists and those interested in the field of professional biology. Articles or comments are welcomed and should be communicated to the ASPB Office. Editing and layout by Gavin Moore.

WELCOME NEW MEMBERS (see also last page)

Regular: Bruce Barton, Andra Bismanis, Natalie Cooper, Barb Crawford, Wendy Crosina, Nicolas DeGama-Blanchet, Jesse Dunford, Richard Ehlert, Eric Hamelin, Greg Jones, Corey Linnen, Kimberly Pearson, Paul Walker, Coleen Stevens, Marcy Bast, Darrell Jobson, Janice Lorenzana, Christopher Sargent, Jennifer Stone, Clifford Nietvelt, Darcy Meyers, Andrew Forrest, Thomas Gates, Sheila McKeage, Meighan Kearns, Brent Magnuson, Kimberly Seifert, Stephen Lines, Michelle Dias

Biologist In Training: Jairo Infante, Ricki-Lynn Boorman, Morgan Lee, Kelly Plaku, Rebecca Ritson-Bennett, Patricia Swan, Maureen Wetsch, Wendy Markowski, Sarah Bigelow, Cara Adrain, Benjamin McWilliams

Student: Tyler Jans, Jill Deschamps, Elise Savard

Membership Update

ASPBI membership as of December 1, 2006: Total 661

Regular	488
Honorary	6
Biologists in Training	94
Student	9
Temporary Withdrawn	19
Associated	6
Public	1

A Message From Your President (continued)

Under TILMA, ASPBI and the College of Applied Biology (CAB) for British Columbia are required establish similar post-graduate entrance standards. We are required to accept any CAB member in good standing who applies to join ASPBI. Conversely, CAB is required to accept any ASPBI member in good standing who applies to join CAB.

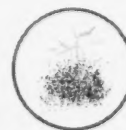
Our goal is to work with CAB and meet TILMA objectives set out by the Alberta regulatory framework.

As a point of interest, Saskatchewan and Manitoba are watching the BC-Alberta TILMA with considerable interest, and Premier McQuinty of Ontario has already expressed that he wants Ontario to join with the BC-Alberta TILMA.

Further information regarding TILMA is provided in an additional article within this newsletter edition.

I wish the entire membership a prosperous New Year in 2007 and look forward to working with the membership on issues that are affecting our province under the current economic climate.

Bob Holland



What Has The Board of Directors Been Up To You Ask?

It has been a while since the Board of Directors (BOD) has had a direct communications line to the membership and with this new revamped edition of BIOS we hope that this will be the start of new and better things to come. This column will feature an article by rotating members of the Board on a topic of interest to Professional Biologists.

So to dive into the details on one of our focus areas in 2006!

In October 2006 members of the Board met to begin to develop a Communications Strategy. With the resignation of our long time BIOS editor Gavin More in the spring and volunteer Webmaster Dr. Jim Case last fall we recognized that a revised communications plan was necessary. Below are several of the initiatives that we have been working on or are on the to-do list for 2007.

- New BIOS is one of the ways we will be improving communication to the membership
- Also look for a redesigned website in the next few weeks with a "members only" section and many upgraded features!
- Conduct a Salary Survey for Biologists and a Fee survey for Biological Consultants
- Participate in University sponsored Career fairs
- Educate/encourage members to use their P. Biol Stamps
- Develop an initiation ceremony for new members

As always if you have a suggestion for an article or a topic please feel free to contact any of the BOD or the BIOS editor.

By Carol Engstrom P.Biol- Secretary ASPB

Trade, Investment, and Labour Mobility Agreement (TILMA)

TILMA, or the British Columbia - Alberta Trade, Investment, and Labour Mobility Agreement, was signed into effect in Edmonton on 28 April 2006. The Agreement comes into force on 1 April 2007, and will be fully implemented by 1 April 2009.

What is the Agreement?

TILMA consists of a set of General Rules and Special Provisions that apply to all government measures such as legislation, regulations, standards, policies, procedures and guidelines that affect trade, investment and labour mobility.

The Agreement applies across all sectors of the economies of British Columbia and Alberta. If a measure is not clearly identified as an exception, it is subject to the Rules of the Agreement. The Agreement's dispute resolution mechanism is effective and enforceable and is accessible by both persons and governments. Non-compliance can result in a fine of up to five million dollars.

How does the Agreement affect workers?

At present, workers in many occupations, moving from one province to another for work, face additional exams and training requirements. For example, some professionals and skilled trades in BC are subject to different requirements than those in Alberta. The Agreement will make it much easier for all regulated occupations to become certified in both provinces.

Under the Agreement, workers who are certified for a given occupation in one province will be recognized as qualified in both. Workers will still be required to register with the regulatory authorities of the other province for that occupation, but they will not be required to take significant additional examinations or training.

BC and Alberta have identified more than 60 occupations with different standards that presently limit labour mobility between the two provinces. These occupations are listed in the Agreement in the "Transitional Provisions" section. BC and Alberta will work with occupational regulators to reconcile these standards by 1 April 2009.

The Agreement also covers internationally trained professionals. Thus, if a professional has been licensed in Alberta, that professional will also be able to license in BC, and vice-versa.

This Agreement will reduce the time and costs associated with obtaining a license to work, and ensuring that workers can work in their fields of expertise when moving between provinces. It will also be easier for businesses to find qualified workers to fill jobs.

Saskatchewan is very interested in the BC-Alberta TILMA, and may join in. It is anticipated that Manitoba will most likely follow Saskatchewan. Premier McGuinty of Ontario stated in October 2006 that he wants Ontario to be part of TILMA. If all the western provinces and Ontario become part of one massive TILMA agreement, it will form a tremendous economic and power block. Quebec is already rumored to be against this block. And a further point of interest, for the first time in history, the combined population of Alberta and BC is greater than that of Quebec.

Here is the direct link to the signed TILMA Agreement:

http://www.iir.gov.ab.ca/trade_policy/documents/AB-BC_MOU-TILMA_Agreement-Apr06.pdf

More general information on TILMA can be found at the following link: http://www.iir.gov.ab.ca/trade_policy/interprovincial_publications_speeches.asp

As a parting shot, I mention that the full ramifications of **TILMA** have not yet been realized, even by the people who put it together.

By Robin Leech, P. Biol.

Call for Articles

We are looking for articles to put in the BIOS newsletters. We are looking for any biologically-related articles that you think the membership would be interested in and that are relevant to western Canada including the territories. Articles could be written about interesting projects, field-related stories, and current or emerging issues, among others.

Memorandum of Understanding (MOU) to Establish the Joint Environmental Professional Practice Board

On the 14th of November 2006, a five-page agreement, a Memorandum of Understanding (MOU), was signed by the presidents of six Alberta Professional Regulatory Organizations (Pro's) that will be involved in Environmental Reclamation and Remediation Professional Sign Off.

Alberta Environment, Alberta Sustainable Resources Development, and the Alberta Energy and Utilities Board, are the Alberta Provincial Government authorities having jurisdiction over Environmental Reclamation and Remediation work in Alberta. They are known collectively as the "Regulators". Transparency is required for the regulation of Environmental Reclamation and Remediation work in Alberta in order serve the public interest, and to promote the public's trust, in this work. The function of the Regulators is to review the quality and acceptability of Environmental Sign-Off documents.

The six Alberta Pro's that are involved in Environmental Reclamation and Remediation Sign-Off are as follows:

- Alberta Institute of Agrologists (AIA)
- Alberta Society of Professional Biologists (ASPB);
- Association of the Chemical Profession of Alberta (ACPA);
- Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA);
- College of Alberta Professional Foresters (CAPF); and,
- College of the Alberta Professional Forest Technologists (CAPFT).

It is recognized by the Regulators that Environmental Reclamation and Remediation work is interdisciplinary, and that it lies fully within the scopes of practice regulated by the Pro's. In turn, the Pro's have been given the statutory authority to regulate their respective professions to ensure that the public interest is protected.

As the issues involved with Environmental Reclamation and Remediation are complex, Alberta Environment has established an Environmental Appeal Board under the Environmental Protection and Enhancement Act to handle Environmental Sign Off disputes. Alberta Employment, Immigration and Industry (formerly Alberta Human Resources and Employment) are implementing standardized, investigative discipline and appeal processes to ensure consistency in the regulation of the Pro's. Any modification of the MOU requires the mutual consent, in writing, of the councils of all six Pro's.

Written by: Robin Leech, PhD, P.Biol.

Insurance

Professional Liability 101: An Introduction to Insurance for Professionals

A recent initiative from Alberta Environment to have professionals certify and become professionally responsible for remediation and reclamation assessment, puts considerable onus on the professional to have insurance. But as a practicing professional, "having insurance" is not simply a matter of purchasing a standard set of off the shelf provisions for collision, fire and theft insurance.

It is absolutely critical for professionals to understand their insurance needs, purchase the insurance that provides the protection they need and then to administer that insurance in order for it to provide the protection sought. Failure to understand insurance needs can result in professionals paying for insurance they don't need, or worse yet, not having the insurance they thought they had when the need arises.

Types of Insurance

The two forms of insurance most relevant to professional practice are general liability and professional liability insurance. Those two types of insurance can be further categorized by the nature of the policy whether it addresses a specific activity such as occurrence-based, or is valid for a defined period of time such as on a claims-made basis.

General Liability

General Liability insurance is an insurance product designed to protect an individual or business that become legally responsible for paying for bodily injury or property damage to others. This insurance addresses damages for physical injury to a person or direct or indirect damage to another party's property. General liability insurance is a standard requirement of most business contracts involving field services. Most general liability insurance policies exclude coverage for professional liability claims.

Professional Liability

Professional Liability insurance is an insurance product that protects professionals for claims of financial damage arising out of their professional activities, advice or services. It is also called errors and omissions insurance (E&O) and it is common for professions like doctors or lawyers. Coverage usually includes the legal defense costs as well as any damage rewards associated with a claim. The coverage typically excludes damages resulting from intentional, dishonest acts or acts not consistent with regulatory requirements.

There are two main forms of liability insurance policies - claims-made and occurrence policies.

Most professional liability insurance is written on a claims-made basis. An Occurrence Policy pays for claims arising out of occurrences during the policy

period regardless of when the claim is reported. Insurance of this kind can be obtained for a single project, and provides protection to the insured for claims related to that project regardless of the time since completing the project. This type of coverage is typically more difficult to obtain and more expensive as it is difficult for the insurer to quantify the risk they are assuming.

A Claims-made Policy protects the insured against claims or incidents that are reported while the policy is in force. Some forms of this insurance include "prior acts coverage," which include insurance coverage for acts that occurred prior to the policy period commencing. Claims-made insurance policies are much easier to obtain and often cheaper as the risk being insured is much easier to quantify. The difficulty for the insured professional is that, if there is a period of time for which the professional remains liable after completing a project, the insured must maintain this insurance in order for the insurance to remain in effect. Even if the professional stops work, becomes ill, or moves out of the jurisdiction, insurance premiums must be paid and the insurance otherwise administered in order for the insurance to remain in effect.

Deductible

In the event of an insurable event, the deductible is the cost that the insured professional is willing to be responsible for prior to the actual insurance coverage contributing payment. The deductible is the self-insured amount. The deductible keeps insurance premiums low by helping ensure that insurance companies are responsible only for paying for major financial losses while the insured remains responsible for minor amounts.

When considering an appropriate deductible amount, the insured should consider the frequency of claims and the cost of those claims. In general, the higher the deductible amount, the lower the insurance premium. If however, the insured finds they frequently pay the deductible amount, it may be worthwhile paying higher premiums for a comparable policy with a lower deductible amount.

Policy limit

Almost all insurance policies have a policy limit that restricts the financial responsibilities of the insurer to a specified maximum expenditure. The higher the policy limit, the higher the insurance premiums. When purchasing insurance it is essential that the maximum financial exposure or cost of the activities being insured be accurately evaluated. On the one hand, having too high of a policy limit means that the insured is paying high premiums for insurance that may never be really needed. Having too low of a policy limit means that in the event of a major incident, the insurance will not be sufficient and the insured remains financially responsible for the outstanding amounts.

For most standard insurance the policy limit is typically determined by the value of the property that may be damaged. With errors or omissions insurance, however, it is the cost to address outstanding issues for which the insured is legally responsible that determines policy limit. Will the insured be responsible for addressing sub-surface contaminant issues...or is the policy intended to address legal costs in the event of litigation or prosecution? It is highly recommended that you work with your insurance advisor and perhaps a risk management specialist to accurately assess your liability exposure and select insurance that is appropriate for you.

Administration of insurance

Simply having an insurance policy in place does not ensure that the coverage will be there when it is needed. In order for insurance to be effective it must be administered in strict accordance to the requirements set out in the policy.

Premiums must be paid, which sounds simple, but "forgetting" to make an insurance premium may be sufficient to invalidate the policy when it is most needed.

The scope of work undertaken must be in accordance to the scope of work for which the professional is insured. An insurance company will not pay for damages associated with work other than that which is defined as the scope of practice for the insured. It is therefore essential, especially in growing companies or with individuals learning new aspects of the profession, that the insurance scope of practice accurately reflect the scope of work taken at all times. It is essential that work requiring insurance not be initiated unless the insured is certain that they are indeed insured for the activities they are about to undertake. Be sure to first check your insurance coverage before undertaking work in a new discipline or area or expertise.

In the event of an insured incident it is also essential to administer the claim in accordance to the policy requirements. Pay particular attention to any restrictions on the time within which to make a claim. Policies specify the time after an incident that the insurance company must be informed of that incident. Failure to provide timely and adequate notification to the insurance company may be grounds to invalidate the coverage provided. It is easy to imagine how easy it is to get "wrapped up" in responding to a major spill and forget to inform the insurance company within the specified notification period. We should not forget however, that a notification period also applies when served with legal papers regarding litigation.

Conclusion

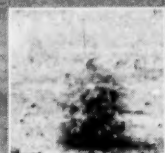
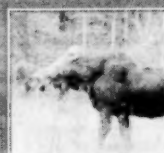
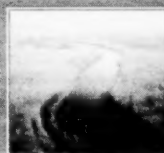
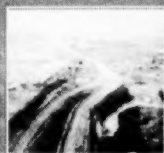
In conclusion, having and administering the proper insurance is an important aspect of being a professional.

There are numerous web sites where basic insurance information can be found; however, it is highly recommended that you spend time with your insurance broker to ensure the insurance you purchase is right for you. Your broker can help ensure the insurance you are purchasing is adequate without being excessive and appropriate in scope without insuring you for activities you don't undertake. It is also important for you to anticipate your future insurance needs and ensure your insurance policy is flexible enough to permit expansion of your business. Your insurance broker can also clarify your obligations for administering your insurance policy to help ensure that the coverage you are expecting is actually available to protect you when you need it most.

by Mark Kavanagh, P.Biol.



Solutions to Ecological Issues in the Oil Sands



Calgary

Alberta Society of Professional Biologists Conference

2007

Announcing the 2007 ASPB conference entitled Solutions to Ecological Issues in the Oil Sands. The conference will be held at the Delta South Hotel in Calgary, Alberta on April 19 & 20, 2007. The two-day conference will be an important event for industry professionals, consultants, government representatives and other stakeholders involved in or impacted by oil sands activities. The objective of the conference is to increase the common knowledge base surrounding scientific, policy and socioeconomic perspectives on ecological issues and oil sands activities, as well as provide a forum for discussion. For more information, please visit the website at www.aspb.ab.ca.

The ASPB Mentoring Program

The ASPB mentoring program, available to all members, has just begun its second year. The program was designed to address the evolving complexities of the biologist profession. Lifelong learning is an intrinsic part of every biologist's career development. Thus, the main intention of this program is to match members with others who can provide them with what they may be missing professionally, including information, ongoing advice and/or training. The mentoring program works on the premise that "We are each other's best stepping stones through which to pass on the learned experiences of those who have walked before us so that we can continue taking a strong profession into the future".

While the benefits of the program may be obvious for mentees, the rewards for being a mentor can be more subtle.

Some of the benefits of mentoring include:

- Application of interpersonal skills in another aspect of life, possibly outside of work
- Positive feelings for achieving self-growth and for contributing to the professional development of a colleague
- Sense of elevated status amongst your peers in recognition of the valuable time and energy invested in mentoring others
- Increased awareness of the talent pool available within the ASPB membership
- Re-energized pride and enthusiasm for the profession
- Increased practice of leadership skills
- Stronger understanding of own skills and strengths through teaching others
- Enjoyment of the action of teaching
- Development of meaningful friendship with mentee
- Greater latitude for creativity that daily work may not allow
- Contribution to something that is larger than oneself

All mentors and mentees will be honoured at an ASPB mentoring function (Appreciation Dinner held on February 7, 2007). As well, mentors and mentees that successfully complete one year in the program, receive 10 professional development credits.

Currently, there are 37 mentees and 34 mentors registered. Approximately half of these individuals have been paired into mentoring partnerships. However, there are still mentees looking for mentors and mentors looking for mentees. Please consider registering for this program at www.aspb.ab.ca/mentoring.

We are currently in need of mentors with the following experience/specializations:

- | | |
|--------------------------------|------------------------------------|
| • Aquatic biology | • Forestry |
| • Botany | • GIS |
| • Conservation biology | • Histology |
| • Developmental biology | • Liability assessments and audits |
| • Environmental affairs | • Oil and gas |
| • Environmental monitoring | • Reclamation monitoring |
| • Environmental sustainability | • Spatial ecology |
| • Environmental technology | • Watersheds |

One frequently asked question is whether mentors can be paired with mentees from the same company. The answer is yes. For some individuals, the mentoring partnership may be more satisfying with a co-worker, in that, personal and professional development are more obvious and time committed is more directly invested in building the skills of the co-worker and the expertise within the company.

To register for the program, please visit the ASPB website at www.aspb.ab.ca/mentoring. If you are registered in the program, the pooled list of available mentors/mentees will be available soon!

If you have any questions or comments, please contact the Mentoring Coordinator, Marilyn Collard at collard@platinum.ca or (403) 256-1902.

By Marilyn Collard, P. Biol.

Awards

Alberta Society of Professional Biologists Graduate Scholarship - UofA

Muhammad Sarfraz is registered in a doctoral program in the Department of Biological Sciences at the University of Alberta and is the recipient of the Graduate Scholarship.

Alberta Society of Professional Biologists Graduate Scholarship - UofC

David Garrow is registered at the University of Calgary and is the recipient of the Graduate Scholarship.

Conferences and Seminars

The Alberta Chapter Of The Wildlife Society 2007 Conference

March 18 – 21st, 2007
The Radisson Hotel and Conference Center
Canmore, Alberta, Canada
Contact *Anne Hubbs* for registration details or see
ASPB Information Bulletin (January 4, 2007) for
registration form: *Anne Hubbs*
Alberta Fish and Wildlife Division
4901-50th St., Athabasca, Alberta, Canada.
T9S 1E2 | Email: *Anne.Hubbs@gov.ab.ca*
Phone: 780-675-8164; Fax: 780-675-4710.

2nd Canadian National Wastewater Management Conference and Policy Forum: Strategic Management of Canadian Wastewaters

February 25-27, 2007
Edmonton, Alberta http://www.cwwa.ca/2nd_Conference_e.asp

American Water Works Association (AWWA) and the Water Environment Federation (WEF) Joint Management Conference

February 25-28, 2007
Portland, Oregon, USA <http://www.awwa.org/conferences/jmc/call/>

4th Conference on Hydrogeology, Ecology, Monitoring, and Management of Ground Water in Karst Terrains

February 27-28, 2007
Safety Harbor, Florida, USA <http://www.ngwa.org/elconf/0702275018.cfm>

Alberta Chapter Canadian Land Reclamation Association (CLRA Alberta Chapter) Conference and Annual General Meeting: Where Are We Going

February 28 March 2, 2007
Red Deer, Alberta http://www.clrca.ca/2007_Alberta_Conference_&_AGM.htm

8th Prairie Conservation and Endangered Species Conference and Workshop

March 1-3, 2007
Regina, Saskatchewan <http://www.pcsc.ca/>

58th Annual Western Forest Insect Work Conference

March 5-9, 2007
Boise, Idaho, USA <http://www.fsl.orst.edu/wfiwc/>

2007 Global Plastics Environmental Conference (GPEC): Environmental Innovation: Plastics Recycling & Sustainability

March 6-7, 2007
Orlando, Florida, USA <http://www.4spe.org/conf/gpec07/07gpec.php>

2007 Wildland Urban Interface Conference

March 6-8, 2007
Reno, Nevada, USA <http://www.iafc.org/display.common.cfm?an=1&subarticle=100>

Western Corporate Governance Forum: Next Steps, Next Thinking

March 7-8, 2007
Calgary, Alberta <http://www.conferenceboard.ca/conf/mar07/gov/overview.asp>

Hazardous Waste Combustors Conference and Exhibition

March 13-14, 2007
Charleston, South Carolina, USA <http://www.awma.org/events/confs/HWC007/hwc07.asp>

32nd Annual Alberta Water & Wastewater Operators Association Operators Seminar

March 13-16, 2007
Banff, Alberta http://www.awwo.ab.ca/32nd_Annual_Sem.htm

22nd International Conference on Solid Waste Technology and Management

March 18-21, 2007
Philadelphia, PA, USA <http://www2.widener.edu/~sxw0004/call.html>

Protecting the Forest... Naturally! Symposium on Biological and Integrated Control

March 19-21, 2007
Sainte-Georges, Quebec <http://www.feric.ca/index.cfm?objectid=82A73583-C09F-3A58-EAB3FE1CA-D48CDBE&CFID=401080&CFTOKEN=72049728>

AMERICANA 2007-International Environmental Technology Trade Show and Conference: Environment fuelling the economic engine

March 20-22, 2007
Montreal, Quebec, Canada <http://www.americana.org/tiki-index.php?page=Home&switchLang=en>

Industrial Vegetation Management Association of Alberta Seminar and Major Tradeshow: Vegetation Management - Living With Your Decisions

March 20-22, 2007
Red Deer, Alberta <http://www.ivmaa.com/>

72nd North American Wildlife and Natural Resources Conference: The Changing Face of Conservation

March 20-24, 2007
Portland, Oregon, USA

2nd Fire Behavior and Fuels Conference: Innovations, Management and Policy

March 26-30, 2007
Destin, Florida, USA <http://www.wildlifemanagementinstitute.org/pages/TOC.html?180,106>

Engineering Sustainability 2007: Innovations that Span Boundaries

April 15-18, 2007
Pittsburgh, Pennsylvania, USA <http://www.enr.pitt.edu/msi/2007conference/confmain.htm>

2007 Joint Residuals and Biosolids Management Conference: Biosolids and Residuals - Innovation and Sustainability

April 15-18, 2007
Denver, Colorado http://www.wef.org/ConferencesTraining/Conferences/SpecialtyConference/RB_Management2007.htm

2007 Canadian Environmental Conference and Tradeshow (CANECT)

April 16-17, 2007
Toronto, Ontario <http://www.esemag.com/conferen/compliance.html>

2007 BioCycle West Coast Conference: Composting, Organics Recycling & Renewable Energy

April 16-18, 2007
San Diego, California, USA http://www.jgpress.com/conferences/archives/biocyce-west_coast_conference_2007/000849.html

18th Global Warming International Conference and Expo

April 19-20, 2007
Miami, Florida, USA <http://gw18.globalwarming.net/>

2007 Alberta Society of Professional Biologists (ASPB) Conference and General Meeting: Solutions to Ecological Issues in the Oil Sands

April 19-20, 2007
Calgary, Alberta <http://www.aspb.ab.ca/eventpg.htm>

Annual Conference of the Canadian Water Resources Association - Alberta Branch: The Birth of Alberta's Water Economy

April 22-24, 2007
Red Deer, Alberta http://www.cwra.org/About_CWRA/CWRA_Branches/Alberta/AB2007Conference/ab2007conference.html

Workshops and Seminars

Columbia Mountains Institute of Applied Ecology - Ordinary and Logistic Regression Course

April 10-12, 2007
Coast Hillcrest Hotel, Revelstoke, British Columbia

Regression analysis is one of the most commonly used methods in ecology. Analyses range from the very simple (a single response vs. a single predictor) to the very complex (hundreds of predictors). In this three day course we will review the use of regression methods using modern statistical software. As well, regression methods have been extended to try and predict categorical responses (e.g. predicting live vs. dead using logistic regression) and predicting counts (e.g. stem counts in forest surveys as a function of covariates). An introduction to generalized linear modelling using these more advanced methods will be given.

This course is taught by Dr. Carl Schwarz from Simon Fraser University. Participants can attend one, two, or all three days. Cost is \$200 per day plus GST. See www.cmiae.org for more details.

Speakers Coming to Edmonton in 2007

Edmonton Nature Club monthly meeting: 7pm at the Royal Alberta Museum

February 16, 2007
Speaker: Dr. Heather Proctor Introducer: TBA
Topic: "Mites associated with vertebrates: the good, the bad, and the amazing".

Dr. Heather Proctor is an Associated Professor at the University of Alberta. She specializes in mites (Arachnida: acari); their ecology, evolution and behaviour. Her main interests are soil, aquatic and feather mites. Heather is involved in research, teaching and works with a number of graduate students. She sits on a variety of University and Scientific committees as well as writing a book and co-authoring two books, she has written numerous journal articles and presented many papers.

Edmonton Nature Club monthly meeting: 7pm at the Royal Alberta Museum

March 16, 2007
Speaker: Dr. Keith Hobson Introducer: Bill Gummer invited
Topic: From Birds to Butterflies - Tracking wildlife species using non conventional techniques.

Dr. Hobson is a Research Scientist with the Canadian Wildlife Service in Saskatoon. He received his PhD from the University of Saskatchewan studying on Arctic seabird ecology. Dr. Hobson is currently involved on studies of boreal forest songbirds, with particular emphasis on the effects of forestry practices on population dynamics and distribution. He is also continuing studies on the development of stable isotope techniques in tracking movements of migratory wildlife populations.

Results of Meetings in 2006 of ASPB Registration Committee

APPLICANT APPROVED AS PROFESSIONAL BIOLOGIST

Andrea Battistel	Jody Murphy	Nicole Morin
Anne Hubbs	Joe van Humbeck	Norbert Raffael
Ayoola Oladiran	Joel Nicholson	Peter Jalkotzy
Barry Lunseth	John McCullough	Ricki-Lynn Boorman
Brian Eaton	Kris Driscoll	Robert Simieritsch
Christopher Stoez	Kristin Norris	Ryan Faulter
Colleen Simpson	Kristina Norstrom	Ryan Wonnacott
Craig Neufeld	Lane Gelhorn	Sandra Marken
David Locky	Laurie Hamilton	Scott Wilson
Delanie Player	Leanna Davies	Shane Porter
Diana Rung	Leslie Monteleone	Shanon Attaway
Donald Harron	Lucie Sliva	Shaye Folk
Edward Jones	Marco Fontana	Stephanie Grossman
Flossy Obuekwe	Megan Rawles	Susan Ledrew
Gonzalo Arango	Megan Watters	Tammy MacMillan
Jeannette Gasser	Melanie Sharpe	Tim Antill
Jennifer Chandler	Melissa Judge	Travis Ripley
Jennifer Holm	Misty Bleakley	Tyler Colberg
Jennifer Knopp	Nanette Richards	Vanessa Swarbrick

APPLICANT APPROVED AS BIOLOGIST IN TRAINING (BIT)

Aaron Anderson	Elise Savard	Lindsay Foster
Aaron Congdon	Emeric Janssens	Lindsay Watson
Alicia Hamm	Erik Nathan	Lisa Best
Aliou Faye	Ervin Tong	Lisa Rear
Amanda Chalmers	Jeanette Verbik	Lucie Sliva
Ann Zorawski	Jenna Llewellyn	Marie-Helene Beauchemin
Cassandra Roberge	Jennette Fox	Matthew Mitchell
Chad Willms	Jennifer Chandler	Melanie Juurlink
Chris La Fleur	Jessica Elliot	Michelle Gordon
Christina Metke	Kalina Noel	Nicole Rowney
Court Berryman	Karen Brown	Norma Calvo
Danica Belter	Karl Zimmer	Richard Rohl
Daniel James Holmes	Kim Melton	Robert Bedingfield
David Almanza	Kristen Forman	Shilo Andrews
David Young	Kristie Wegener	Tara Caseley

APPLICANT APPROVED AS STUDENT BIOLOGISTS

Allison Ehnes	James Witiw	Stephanie Wahl
Eileen Miranda	Jordan Smith	